DOOSAN Document Transmittal

Upper Trishuli-1 HEP (216MW)

Date	DT No.:	SHEET
2022-07-28	UT1-HEP-DHI-PC-D-0049	1 OF 1

DOOSAN NEPAL BRANCH OFFICE	Address & Contact No. : Four Square Building, Naxal, Kathmandu, Nepal (P.O Box : 1387) + 977 1 692 3014	Project No. H20002	DOCUMENT DISPATCHED BY Courier Service ☐ Messenger ☐ Post-Air Freight ☐ Document System or E-mail ■ By hand ■
DOCUMENT DISTRIBUTION	■ POWER CHINA (Subcontractor) ☐ Doosan's Site Office		
SUBJECT	Submission of Review Note RN-0200, RN-0201 and RN-0202		

S. N.	REVIEW NOTE NO.	REVIEW STATUS	DWG. / DOC. NO.	REV.	DWG. TITLE / DOC. DESCRIPTION	REMARK
1	RN-0200	RR	UT1-C-020-CVL-TE-40012	0C	Physical Hydraulic Model Test Study Report of Weir and Dam	
2	RN-0201	AN	UT1-C-080-CVL-DG-59001	0C	Excavation and support drawing of Tailrace Outlet Gate Chamber	
3	RN-0202	AN	UT1-C-150-CVL-OT-54001	0	Technical Requirements for water pressure test of headrace tunnel	
4						
5						
6						
7						
8						
9						
10						
11						
12						

Received by :

Date :

Legend of Review Status
A : APPROVED
AN : APPROVED AS NOTED
RR : RETURN FOR RESUBMISSION
FI : FOR INFORMATION

DHI STAMP

Doosan Enerbility Co., Ltd
DOOSAN Enerbility
Branch Office Nepal

Issued by DHI

Youngsoo Son

Project Manager

Email: youngsoo.son@doosan.com
Doosan Enerbility Co., Ltd.

Discipline : Civil

UPPER TRISHULI-1 HEP (216MW)

Client	**Nepal Water and Energy Development Company Private Limited**
Owner's Engineer	**Tractebel Engineering GmbH / Jade Consult**

REVIEW NOTE

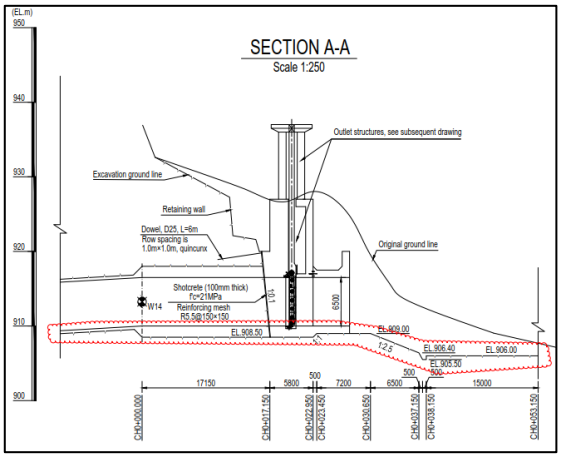
Contractor	**Doosan Enerbility**		
Title of the Document	Excavation and Support Drawings of Tailrace Outlet GC		
Document No.	UT1-C-080-CVL-DG-59001	Revision	0C
Date of Documents	27.07.2022	Received Date	27.07.2022
Transmittal Form No.	UT1-HEP-DHI-D-0317		
Previous Review Date/Status	10.07.2022/RR	Prev. Review Note No.	RN-0164
Review Note No.	**RN-0201**	**Present Review Date**	**28.07.2022**
		Present Review Status	**AN**

A: Approved AN: Approved as Noted RR: Returned for Resubmission FI: For Information, only

Comments

1. The detailed design documents as per EPC Contract UT-1 HPP (216MW), ANNEX 13,
   - sub-clause 13-A-1.3.2, F. "Detailed Design"
   - sub-clause 13-A-5.6, C.b. "Detailed Design Documents "Detailed Design"

   have not been submitted yet. See also letter *OE-TJ-UT1-OUT Site-DHI 261 "Incomplete design documents",* dated 18.07.2022.
2. Report of the CFD simulation of the Tairace System doc. ref.: *UT1-C-070-CVL-DC-59002_0A* has been submitted to the OE on 26th of July 2022 and is under OE´s revision. The final layout of the Tailrace Outlet, especially the final elevation depends on the acceptance of the results of the CFD simulation.
3. In the table *"Reference Drawings"* the design change notification doc. ref.: DCN-22-C-006, dated 27.04.2022 is mentioned. It is not understood why this DCN has not been incorporated in the revision 0C of the document under this revision. The DCN shall be incorporated accordingly.
4. On sheet 2 of 2 of the drawing under this revision, in section A-A rock line is indicated beneath the Tailrace Outlet Gate Structure. This implies that the Tailrace Outlet Gate Structure will be founded on rock, see sketch below.



DISCLAIMER

Any approval will not release the Contractor from any of his obligations under the Contract. Despite the Engineer's approval the Contractor remains fully responsible for design, calculation, dimensioning, supply and installation without limitations.

Sebastian Beck, Chief Design Engineer